

What is claimed is:

1. A hair care composition comprising a polysiloxane selected from the group consisting of:
  - (A) a terminal aminofunctional polysiloxane according to the formula:



wherein; A represents  $R_2SiO$ , wherein

$R$  is an alkyl group of 1 to 5 carbons, or a phenyl group, or an alkoxy group or an hydroxy group,

$Q$  is an amine functional group of the formula  $-R^2Z$ ,

$R^2$  is a divalent alkylene radical of 3 to 6 carbons, preferably trimethylene, pentamethylene,  $-CH_2CHCH_3CH_2-$ , or  $-CH_2CH_2CHCH_3CH_2-$ ,

$Z$  is  $-N(R^3)_2$  or  $-NR^3(CH_2)_nN(R^3)_2$ ,

$R^3$  is individually an H atom or alkyl group of 1 to 20 carbon atoms or phenyl or benzyl,

and wherein:

$X$  is from 1 to 3000,

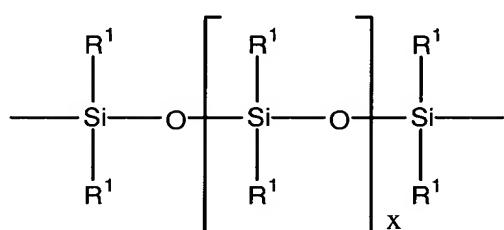
$y$  is from 0 to 3,

$Z$  is from 1 to 3, and

$n$  is from 2 to 6;

- (B) an aminofunctional polysiloxane comprising alternating units of:

- (i) a polysiloxane according to the following formula :



and

- (ii) a divalent organic moiety comprising at least one nitrogen atom and

- (iii) a monovalent organic moiety, , wherein R<sup>1</sup> is an alkyl group of 1 to 5 carbons, or a phenyl group, or an alkoxy group or an hydroxy group and x is from 1 to 3000; and

- (C) mixtures of (A) and (B).

2. A hair care composition according to claim 1, wherein the terminal aminofunctional polysiloxane of (A) further comprises

R is an alkyl group of 1 to 5 carbons, or a phenyl group  
Q is an amine functional group of the formula -R<sup>2</sup>Z  
R<sup>2</sup> is a divalent alkylene radical of 3 to 6 carbons, preferably trimethylene, pentamethylene, -CH<sub>2</sub>CHCH<sub>3</sub>CH<sub>2</sub>-, or -CH<sub>2</sub>CH<sub>2</sub>CHCH<sub>3</sub>CH<sub>2</sub>-,  
Z is -N(R<sup>3</sup>)<sub>2</sub> or -NR<sup>3</sup>(CH<sub>2</sub>)<sub>n</sub>N(R<sup>3</sup>)<sub>2</sub>  
R<sup>3</sup> is individually an H atom or alkyl group of 1 to 20 carbon atoms or phenyl or benzyl,  
and wherein  
x is from 1 to 3000,  
y is from 0 to 3,  
z is from 1 to 3, and  
n is from 2 to 6.

3. A hair care composition according to claim 2, wherein the terminal aminofunctional polysiloxane of (A) further comprises

R is a methyl  
Q is an amine functional group of the formula - R<sup>2</sup>Z  
R<sup>2</sup> is propyl or isobutyl  
Z is NH<sub>2</sub> or NHCH<sub>2</sub>CH<sub>2</sub>NH<sub>2</sub>

and wherein

x is from 10 to 400,  
y is from 0 to 1, and  
z is 1.

4. A hair care composition according to claim 3, wherein the terminal aminofunctional polysiloxane of (A) further comprises

R is a methyl  
Q is an amine functional group of the formula - R<sup>2</sup>Z  
R<sup>2</sup> is propyl or isobutyl  
Z is NH<sub>2</sub> or NHCH<sub>2</sub>CH<sub>2</sub>NH<sub>2</sub>

and wherein

x is from 70 to 120,  
y is from 0 to 1, and  
z is 1.

5. A hair care composition according to claim 1 wherein said composition comprises from about 0.1% to about 10%, by weight of said terminal aminofunctional polysiloxane based on the total composition applied to the hair.
6. A hair care composition according to claim 1, wherein said composition further comprises at least one oxidative dye.
7. A hair care composition according to claim 1, wherein said composition has a pH of from 9 to 11.
8. A hair care composition according to claim 1 wherein said composition further comprises at least one additional conditioning agent.
9. A hair care composition according to claim 1, wherein said composition further comprises a surfactant.
10. A hair colouring and conditioning kit comprising at least two components, a first component comprising an oxidising agent and a second component comprising a hair colouring agent, wherein said kit further comprises an aminofunctional polysiloxane according to claim 1 and wherein said aminopolysiloxane is comprised within said first component, said second component or is comprised within a third component, wherein said first and said second components are mixed together immediately prior to application to the hair.
11. A packaged hair colouring and conditioning product comprising at least two chambers, a first chamber comprising a first composition comprising an oxidising agent, and a second chamber comprising a second composition comprising an oxidative hair colouring agent, wherein said package further comprises an aminofunctional polysiloxane according to claim 1, wherein said aminofunctional polysiloxane is comprised within said first composition, or said second composition.
12. A packaged hair colouring and conditioning product comprising at least three chambers, a first chamber comprising a first composition comprising an oxidising agent, a second chamber comprising a second composition comprising an oxidative hair colouring agent, and a third chamber comprising a third composition comprising a aminofunctional polysiloxane according to claim 1.

13. A method of colouring and conditioning human or animal hair comprising the steps of applying to the hair, a hair colouring composition and a hair conditioning composition according to claim 1 and subsequently rinsing said composition off the hair.
14. A method of colouring and conditioning human or animal hair according to claim 13, comprising the steps of:-
  - (1) applying a conditioning composition according to claim 1, to the hair and optionally subsequently rinsing said composition from the hair and then
  - (2) applying a hair colouring composition to the hair and subsequently rinsing said composition from the hair.
15. A method of colouring and conditioning human or animal hair according to claim 13, comprising the steps of:-
  - (1) first applying a hair colouring composition to the hair and subsequently rinsing said composition from the hair and then
  - (2) second applying a conditioning composition according to claim 1, to the hair and preferably subsequently rinsing from the hair.